

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (currently amended): A method for verifying medical device settings within a healthcare system comprising the steps of:

transmitting data relating to operational parameters from the medical device to a first computer;

transmitting data relating to an order from a second computer to the first computer;

storing data relating to the order in a memory of the first computer;

initiating a comparison of the operational parameters sent from the medical device and at least a portion of the order via an input device of a remote computer;

after initiating the comparison, the first computer comparing at least one of the operational parameters sent from the medical device to the portion of the order;

displaying a result of the comparison of the operational parameters sent from the medical device to the portion of the order on a display device of the remote computer; and

if the operational parameters sent from the medical device match the portion of the order, displaying an instruction on the display device of the remote computer;

initiating a comparison of piggyback operational parameters sent from the medical device and at least a portion of the order via the input device of the remote computer;

after initiating the comparison of the piggyback operational parameters, the first computer comparing at least one of the piggyback operational parameters sent from the medical device to the portion of the order; and

if the piggyback operational parameters sent from the medical device matches the portion of the order, displaying an instruction on the display device of the remote computer.

Claims 2 to 3 (cancelled).

Claim 4 (previously presented): The method for verifying medical device settings of claim 1, wherein the remote computer is a wireless handheld device, and further comprising the step of transmitting a wireless comparison result signal to the wireless handheld device.

Claim 5 (original): The method for verifying medical device settings of claim 1, wherein the transmission of operational parameters is secure.

Claim 6 (original): The method for verifying medical device settings of claim 6, wherein the transmission of operational parameters is secure.

Claim 7 (cancelled).

Claim 8 (previously presented): The method for verifying medical device settings of claim 1, wherein the transmission of the order data from the second computer to a first computer is via a secure communication line.

Claim 9 (original): The method for verifying medical device settings of claim 1, wherein the data relating to the order comprises data for a patient identifier and a prescription identifier.

Claim 10 (original): The method for verifying medical device settings of claim 1, wherein the operational parameters comprise settings manually programmed into the medical device.

Claim 11 (original): The method for verifying medical device settings of claim 1, wherein the operational parameters are downloaded into the medical device from the first computer.

Claim 12 (previously presented): The method for verifying medical device settings of claim 1, wherein the operational parameters are downloaded into the medical device from the remote computer.

Claim 13 (cancelled).

Claim 14 (original): The method for verifying medical device settings of claim 1, wherein the medical device is a pump controller.

Claim 15 (original): The method for verifying medical device settings of claim 14, wherein the pump controller controls an in-line MEMS device.

Claim 16 (currently amended): A method for comparing medical device settings to orders within a healthcare system comprising the steps of:

- transmitting data relating to programmed settings including at least a programmed infusion rate from the medical device to a first computer;

- storing the data relating to settings in the memory of the first computer;

- transmitting data relating to an order including at least a prescribed infusion rate from a second computer to the first computer;

- storing data relating to the order in a memory of the first computer;

- initiating a comparison of the programmed infusion rate and the prescribed infusion rate via an input device of a remote computer;

- after initiating the comparison, the first computer comparing the programmed infusion rate to the prescribed infusion rate;

- transmitting a comparison result signal to the remote computer;

- displaying the comparison result on a display device of the remote computer; and

- if the programmed infusion rate matches the prescribed infusion rate, displaying an instruction on the display device of the remote computer;

- initiating a comparison of piggyback programmed settings sent from the medical device and at least a portion of the order via the input device of the remote computer;

- after initiating the comparison of the piggyback programmed settings, the first computer comparing at least one of the piggyback programmed settings sent from the medical device to the portion of the order; and

if the piggyback programmed settings match the portion of the order, displaying an instruction on the display device of the remote computer.

Claim 17 (cancelled).

Claim 18 (original): The method for comparing medical device settings to orders of claim 16, wherein the data relating to settings comprises at least a programmed infusion dose, wherein the data relating to the order comprises at least a prescribed infusion dose, and wherein the step of comparing data comprises the step of comparing the programmed infusion dose to the prescribed infusion dose.

Claim 19 (original): The method for comparing medical device settings to orders of claim 16, wherein the data relating to settings comprises at least a programmed infusion volume, wherein the data relating to the order comprises at least a prescribed infusion volume, and wherein the step of comparing data comprises the step of comparing the programmed infusion volume to the prescribed infusion volume.

Claim 20 (original): The method for comparing medical device settings to orders of claim 16, further comprising the step of linking a patient identifier and an order identifier.

Claim 21 (original): The method for comparing medical device settings to orders of claim 20, further comprising the step of linking a pumping channel with the patient identifier and the order identifier.

Claim 22 (original): The method for comparing medical device settings to orders of claim 20, further comprising the steps of precluding a comparison of the data transmitted from the medical device to the data in the order where a link between the patient identifier and the order identifier is not established.

Claim 23 (original): The method for comparing medical device settings to orders of

claim 16, further comprising the step of checking if the data transmitted to the first computer relating to settings from the medical device is fresh data.

Claim 24 (original): The method for comparing medical device settings to orders of claim 23, further comprising the step of requesting new data if the data transmitted to the first computer relating to settings from the medical device is not fresh data.

Claim 25 (original): The method for comparing medical device settings to orders of claim 16, further comprising the step of accepting a mismatched comparison result.

Claim 26 (original): The method for comparing medical device settings to orders of claim 25, further comprising the step of recording an administration result.

Claim 27 (original): The method for comparing medical device settings to orders of claim 16, further comprising the step of recording an administration result.

Claim 28 (original): The method for comparing medical device settings to orders of claim 16, further comprising the steps of:

transmitting a mismatch comparison result to the remote computer;

transmitting new data relating to settings from the medical device to the first computer;

storing the new data relating to settings in the memory of the first computer;

comparing at least one of the settings of the new data sent from the medical device to data from at least a portion of the order; and,

transmitting a new comparison result signal to the remote computer.

Claim 29 (original): The method for comparing medical device settings to orders of claim 16, further comprising the step of transmitting a cannot compare signal if channel data is erroneous.

Claim 30 (currently amended): A system for comparing medical device settings to orders within a healthcare system, comprising:

a medical device having a communication interface for transmitting data relating to operational parameters of the medical device;

a first computer having a communication interface for receiving the data relating to the medical device's operational parameters and for receiving data relating to a medication order, the first computer further having a memory for storing the data, a processor performing a comparison of at least one of the operational parameters sent from the medical device to at least a portion of the order after initiation of the comparison from an input device of a remote computer, and a transmitter for transmitting a comparison result signal of the comparison results to the remote computer, wherein if the operational parameters match the portion of the order, the remote computer displays an instruction, the processor further performing a comparison of piggyback operational parameters sent from the medical device to at least a portion of the order via the input device of the remote computer after initiation of the comparison from an input device of a remote computer, wherein if the piggyback operational parameters match the portion of the order, the remote computer displays an instruction; and

a second computer that sends the data relating to the medication order to the first computer.

Claim 31 (original): The system for comparing medical device settings to orders of claim 30, further comprising a wireless transmitter electrically connected to the medical device to send a wireless signal containing the data relating to the medical device's operational parameters to the first computer.

Claim 32 (cancelled).

Claim 33 (original): The system for comparing medical device settings to orders of claim 30, wherein the remote computer is a wireless handheld device.

Claim 34 (previously presented): The system for comparing medical device settings to

orders of claim 30, wherein the second computer sends patient information data to the first computer.

Claim 35 (original): The system for comparing medical device settings to orders of claim 34, wherein the patient information comprises at least one of patient identification, room assignment, bed assignment, and admission status.